

13000 GeV pp

Z (Drell-Yan)

CMS, 13 TeV,  $Z\gamma^* \rightarrow \ell\ell^+ \ell\ell^-$ ,  $50 < m_{\ell\ell} < 76$  GeV

■ CMS

— Pythia 8.308 CP5

Ratio  $\rightarrow$  Z peak region0.18  
0.16  
0.14  
0.12  
0.1  
0.08  
0.06  
0.04  
0.02

(CMS\_2022\_I2079374)

Rivet 4.1.0, 1.2M events  
mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

2  
1  
0.5 $p_{T}(\ell\ell)$  [GeV]

2

1

0.5

1000

500

0

0

2